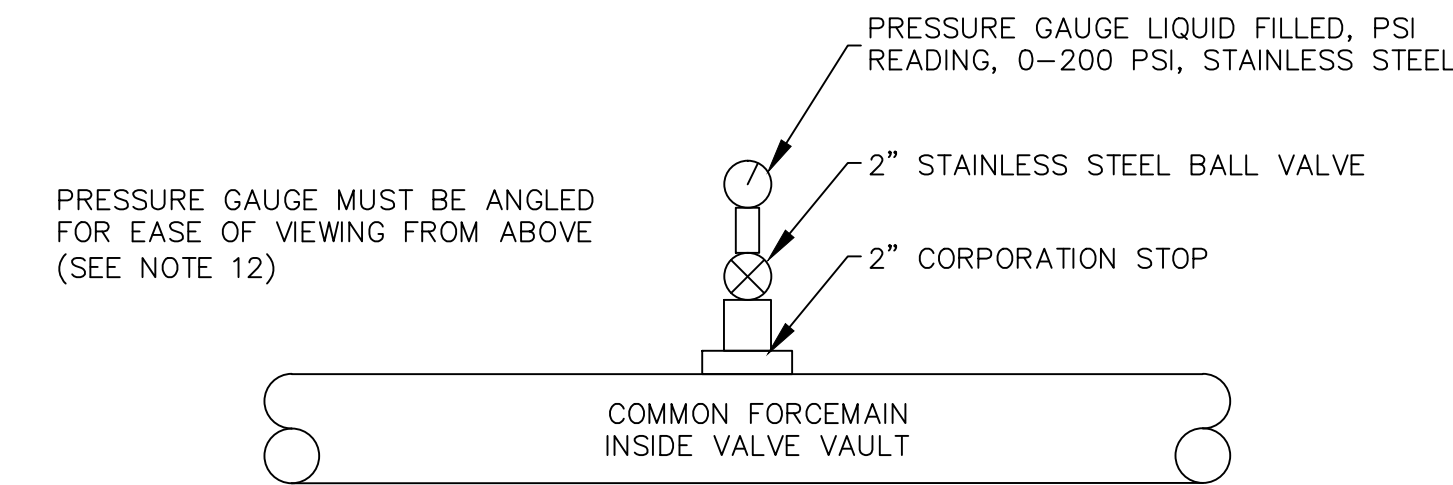


ITEM	ELEVATION (NAVD 88)
(A) TOP ELEVATION OF WETWELL	
(B) INFLUENT PIPE (INVERT)	
(C) HIGH WATER ALARM	
(D) START LEAD PUMP	
(E) START LAG PUMP	
(F) PUMP OFF	
(G) BOTTOM OF WETWELL	

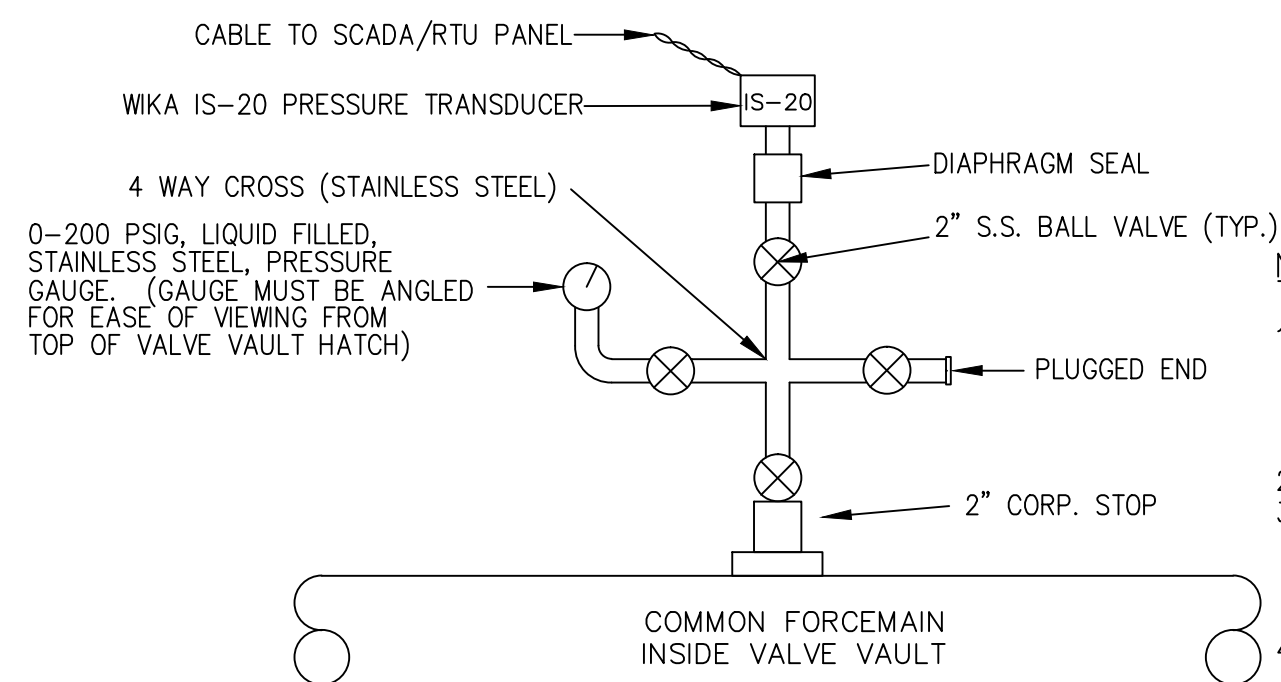
ITEM	VALUE
WETWELL DIAMETER (MIN. 8')	
ROHN 65G TOWER HEIGHT	
PUMP MAKE	
PUMP MODEL	
IMPELLER SIZE	
VOLTAGE	
PHASE	
HORSEPOWER	
RPM	
DISCHARGE FLOW RATE AT DISCHARGE HEAD	GPM @ TDH

NOTES:

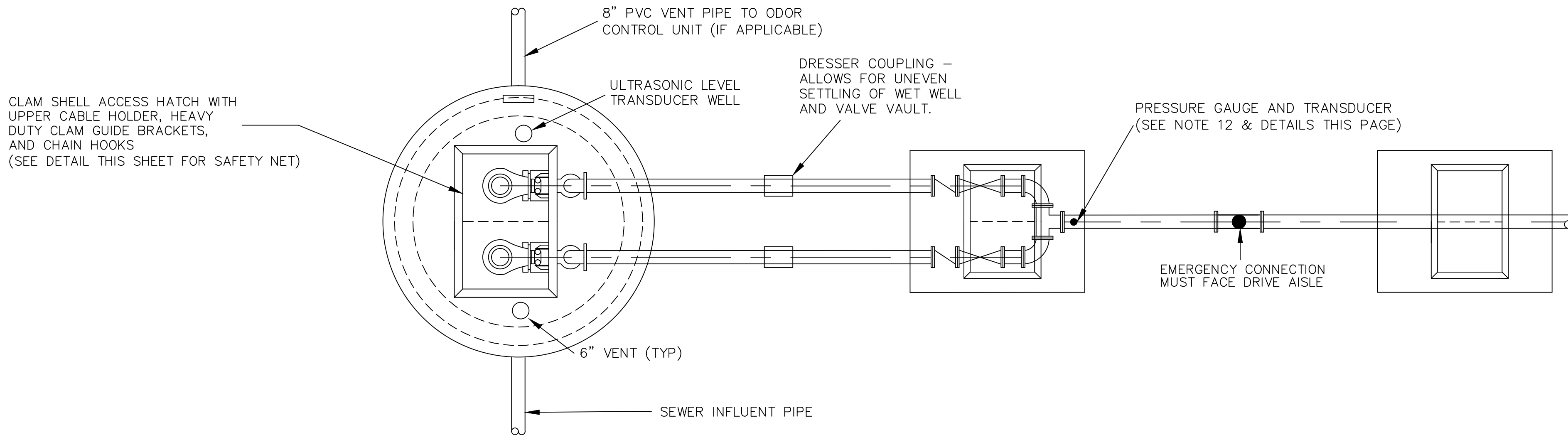
- FOR PUMP STATIONS LARGER THAN 50 HP, WET WELL LEVEL AND ALARMS SHOULD BE PRIMARILY CONTROLLED BY AN ULTRASONIC LEVEL TRANSMITTER SYSTEM PER BRUNSWICK COUNTY STANDARD SPECIFICATIONS. IN THE EVENT OF FAILURE OF THE ULTRASONIC LEVEL TRANSMITTER SYSTEM THE WET WELL FLOATS WILL CONTROL THE PUMP STATION. REFER TO BRUNSWICK COUNTY PUMP STATION TECHNICAL SPECIFICATIONS IN SCADA SPECIFICATIONS.
- ALL POWER TO THE PUMP STATION SHALL BE 3 PHASE POWER.
- ALL HATCHES SHALL BE PROVIDED WITH OSHA APPROVED FALL SAFETY DEVICE.
- INSTALL ALL JUNCTION BOXES 2' ABOVE 100 YEAR WATER SURFACE ELEVATION.
- PIPE STANCHIONS SHALL BE GALVANIZED METAL AND DESIGNED BY THE ENGINEER TO ADEQUATELY SUPPORT THE SIZE AND WEIGHT OF THE ELECTRICAL AND SCADA COMPONENTS MOUNTED TO THEM. ALL COMPONENTS SHALL BE MOUNTED USING 316 SS ANCHOR BOLTS.
- ALL PUMP STATION CONTROL PANELS SHALL BE EQUIPPED WITH A TERMINAL BLOCK WITH DRY CONTACTS TO ALLOW CONNECTION TO SCADA CONTROL PANEL.
- THE CONTRACTOR SHALL INSTALL A SCADA CONTROL PANEL PER BRUNSWICK COUNTY SPECIFICATIONS.
- INSTALL OUTSIDE WATERPROOF 120VAC OUTLET.(GFCI PROTECTED)
- PUMP LIFTING CHAINS SHALL BE STAINLESS STEEL AND ALL FLANGE BOLTS SHALL BE 316 STAINLESS STEEL.
- ALL DIP AND FITTINGS SHALL BE COATED ON THE OUTSIDE AND INSIDE PER BRUNSWICK COUNTY SPECIFICATIONS.
- BRUNSWICK COUNTY MAY REQUIRE A FLOW METER VAULT. MINIMUM SIZE IS 6'X6'. A 4" DRAIN LINE TO WET WELL WITH BACK FLOW IS REQUIRED.
- MOUNT A LIQUID FILLED PRESSURE GAUGE ON THE FORCE MAIN. IT SHALL BE LOCATED IN THE VALVE VAULT ON THE COMMON FORCE MAIN DOWNSTREAM OF THE TEE AND ORIENTED FOR EASE OF VIEWING FROM ABOVE.



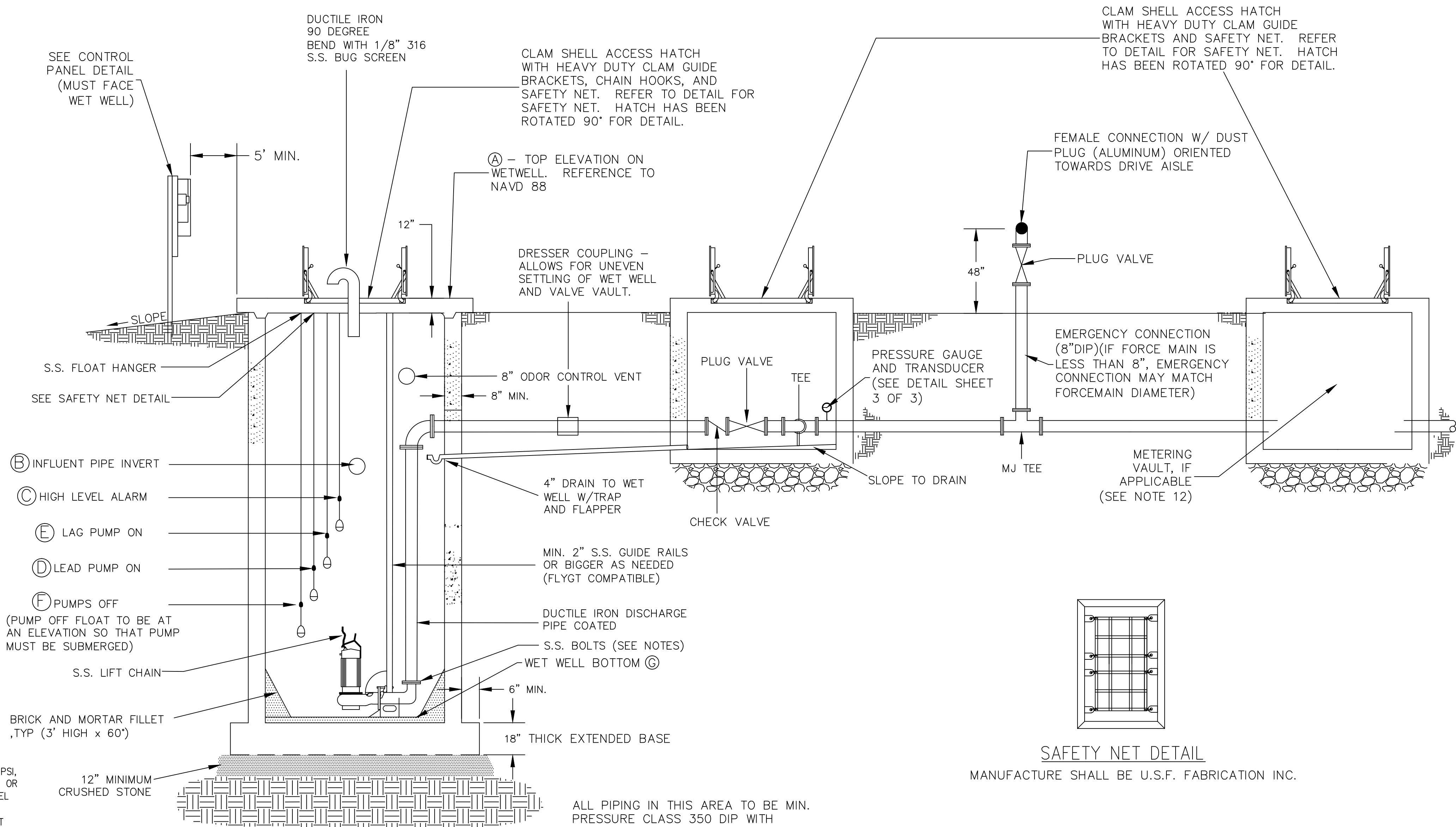
PRESSURE GAUGE DETAIL
FOR PUMP STATION THAT CONNECTS DIRECTLY TO GRAVITY SEWER
SEE TECHNICAL SPEC 023 SECTION 6



PRESSURE GAUGE AND TRANSDUCER DETAIL
FOR PUMP STATION THAT CONNECTS DIRECTLY TO A FORCEMAIN
SEE TECHNICAL SPEC 023 SECTION 6



PUMP STATION – PLAN
NOT TO SCALE

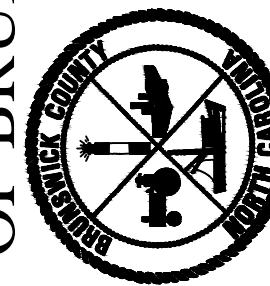


PUMP STATION – SECTION
NOT TO SCALE

SAFETY NET DETAIL
MANUFACTURE SHALL BE U.S.F. FABRICATION INC.

Revisions
1.1 - DATED 10/15/2013 Modified Note 12 Added Dresser Coupling
1.2 - DATED 7/15/2015 Changed Wall Dimension
1.3 - DATED 10/27/2015 Mod. Hatches and Notes
1.4 - DATED 11/9/2018 Emergency Connection Revision
1.5 - DATED 11/28/2018 Mod Pressure Gauge Details
1.6 - DATED 12/5/2019 Pump Station Section Rev

COUNTY OF BRUNSWICK



PUMP STATION DETAILS
FOR
PUMP STATIONS LARGER THAN 50HP
BRUNSWICK COUNTY
NORTH CAROLINA

Date: 5-15-2012
Scale: NTS
Drawn By: JDM
Checked By: WLP